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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/656,495	
	Filing Date	September 5, 2003	
	First Named Inventor	Steven Jeffrey Goldberg	
	Art Unit	2617	
	Examiner Name	Nguyen, Khai Minh	
Total Number of Pages in This Submission		Attorney Docket Number	I-2-0397.1US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	John C. Donch, Jr.		
Date	September 27, 2006	Reg. No.	43,593

CERTIFICATE OF TRANSMISSION/MAILING			
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Signature			
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Steven Jeffrey Goldberg

**Application No.:** 10/656,495

**Confirmation No.:** 8356

**Filed:** September 5, 2003

**For:** VERTICAL DYNAMIC BEAM-  
FORMING

**Group:** 2617

**Examiner:** Nguyen, Khai Minh

**Our File:** I-2-0397.1US

**Date:** September 27, 2006

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the cited documents are enclosed, and pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.

Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counter part foreign application, and, to the knowledge of the person signing the certification, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was

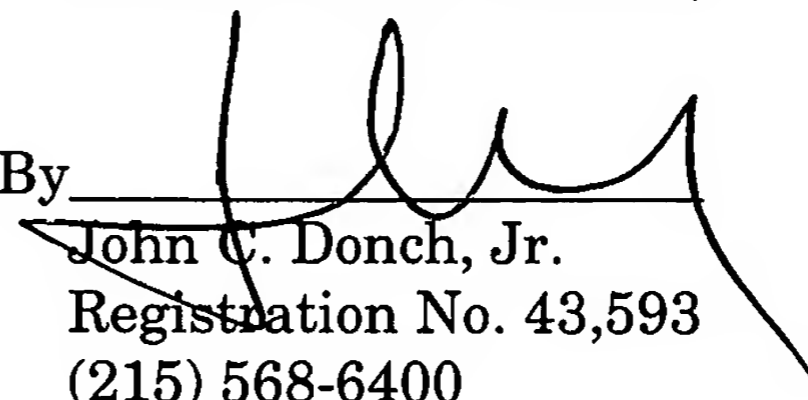
**Applicant: Steven Jeffrey Goldberg**  
**Application No.: 10/656,495**

known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Steven Jeffrey Goldberg

By   
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JCD/akg  
Enclosures ( 3 )



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0397.1US		SERIAL NO. 10/656,495	
				APPLICANT Steven Jeffrey Goldberg			
				FILING DATE September 5, 2003		GROUP 2617	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*	3,987,454	10/1976	Epis			
		4,249,181	02/1981	Lee			
		5,666,123	09/1997	Chrystie			
		5,686,926	11/1997	Kijima et al.			
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		6,282,434	08/2001	Johannisson et al.			
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		6,597,927	07/2003	Eswara et al.			
		6,697,642	02/2004	Thomas			
		6,889,061	05/2005	Shapira et al.			
		2001/0051532	12/2001	Voyer			
		2002/0058503	05/2002	Gutowski			
		2002/0065107	05/2002	Harel et al.			
		2002/0098872	07/2002	Judson			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		TSG-RAN Meeting #14, Kyoto, Japan, December 11-14, 2001, RP-010834.					
		TSG-RAN Meeting #15, Jeju-do, Korea, March 5-8, 2002. RP-020005.					
		TSG-RAN Meeting #16, Marco Island, FL, USA, June 4-7, 2002, RP-020266.					
		TSG-RAN Working Group 3, Sophia Antipolis, France, June 24-28, 2002, TSGR3#30(02) 1703, Minutes of WG3 Meeting #29, Gyeongju, Korea, May 13-17, 2002.					
		"Control interface for antenna line devices," Antenna Interface Standards Group, Standard No. AISG1: Draft 8, (1 <sup>st</sup> Public Draft), November 18, 2002, pgs. 1-54.					
		TSG-RAN Meeting #19, Biringham, United Kingdom, March 11-14, 2003, RP-030022.					
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				APPLICANT Steven Jeffrey Goldberg			
				FILING DATE September 5, 2003		GROUP 2617	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2004/0005870	01/2004	Yla-Jaaski et al.			
		2004/0063467	04/2004	Shapira et al.			
		2004/0106437	06/2004	Ylitalo			
		2004/0258019	12/2004	Haumont et al.			
		2005/0130693	06/2005	Malladi et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	*	02/15326	02/2002	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Notice of References Cited</b>	Application/Control No. 11/294,958	Applicant(s)/Patent Under Reexamination JEFFREY GOLDBERG, STEVEN	
	Examiner Khai M. Nguyen	Art Unit 2617	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-3,987,454	10-1976	Epis, James J.	343/771
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	WO 02/15326 A2	02-2002		Shapira, Joseph	
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.